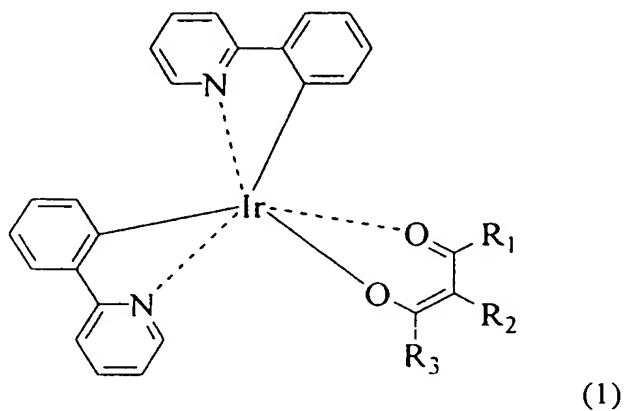


ABSTRACT

The present invention relates to luminescence materials for an organic electroluminescent device (OELD), and particularly to phenyl pyridine-iridium metal complex compounds of formula (1), and preparation method thereof. In addition, the present invention relates to an organic electroluminescent device using the luminescence materials according to the present invention, which can greatly enhance the efficiency of luminescence and increase the operating life time of the device:



wherein R_1 , R_2 and R_3 each are the same as defined in the specification.